

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: March 9, 2004, 14:52:37 ; Search time 1 Seconds

(without alignments)
3.562 Million cell updates/sec

Title: ~~US-09-866-866A-9~~
Perfect score: 4813
Sequence: 1 tttaggaagcaccgtgcac.....cattaagctatagaact 2719

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1 seqs, 655 residues

Total number of hits satisfying chosen parameters: 2

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi -LIST=45 -DOCALLIGN=200
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-Ygapop=10 -Ygapext=0.5 -Delop=6 -Delext=7

Database : 6313277.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3331	69.2	655	1	US-09-245-808-1
2	52.5	1.1	655	1	US-09-245-808-1

ALIGNMENTS

RESULT 1
US-09-245-808-1
Sequence 1, Appli
Patent No. 6313277
GENERAL INFORMATION:
APPLICANT: Doyle, L. Austin
APPLICANT: Ross, Douglas D.
APPLICANT: Abruzzo, Lynne V.
TITLE OF INVENTION: Breast Cancer Resistance Protein (BCRP) and DNA which
encodes it
FILE REFERENCE: Ross Umb conversion
CURRENT APPLICATION NUMBER: US/09/245,808
CURRENT FILING DATE: 1999-02-05
EARLIER APPLICATION NUMBER: 60/073763
EARLIER FILING DATE: 1998-02-05

; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Human MCF-7/AdrVp cells
US-09-245-808-1

Alignment Scores:

Pred. No.:	Score:	Length:	Matches:	Conservative:
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Percent Similarity:	99.54%			
Best Local Similarity:	99.39%			
Query Match:	69.21%			
DB:	1	Gaps:	0	

US-09-866-866A-9 (1-2719) x US-09-245-808-1 (1-655)

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QY	265	CCCGGACAGTTTCCATGACCTTAAGGCACTTTCAGAGAGCTGTGTTAAGTTTCAT	324
DB	21	ProIaThrIaSerAenAenAenAenAenAenAenAenAenAenAenAenAenAenAenAen	40
QY	325	AACATCTGCTATCCAGTAAATGTCAGAGTTTATCCAGTGTCAAGGAAACCAATGCTTC	384
DB	41	AenIleCytrAenValGluValPheIleProValSerGlnGlyAenThrAenGlyPhe	60
QY	385	AAAGAAATATATGCAATATGCAATGTCAGTAAATGTCAGTAAATGTCAGTAAATGTCAGT	444
DB	61	LysGluIleLeuSerAenAenAenAenAenAenAenAenAenAenAenAenAenAenAenAen	80
QY	445	CCACAGGTGAGGAGCAATCTTCATTAAGTGTTCAGTAAATGTCAGTAAATGTCAGTAAATGTC	504
DB	81	ProThrGlyGlyGlyValGluValGluValGluValGluValGluValGluValGluValGlu	100
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QY	565	TGAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTC	624
DB	121	SerGlyTyValValGluValGluValGluValGluValGluValGluValGluValGluValGlu	140
QY	625	CAGTTCAGGAGCTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	684
DB	141	GlnPheSerAenAenAenAenAenAenAenAenAenAenAenAenAenAenAenAenAenAenAen	160
QY	685	ATTAACAGGTCATGGAAGATTAGTTCGATTAAGTTCGATTAAGTTCGATTAAGTTCGATTAAGT	744
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QY	745	CAGTTATCCGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	804
DB	181	GlnPheIleAenGlyValSerGlyGlyValGlyValGlyValGlyValGlyValGlyValGlyValGly	200
QY	805	ATCACTGATCCCTTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	864
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QY	865	GCAATGCTGCTCTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	924
DB	221	AlaAen	240
QY	925	TCCATTCATGACCTTCGATTAATGTCAGTAAATGTCAGTAAATGTCAGTAAATGTCAGTAAATGTC	984
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QY	985	TGAGGAAAGCTTATGTTCCAGGAGCTGCTGAGAGGCTTGGGATTCCTTGAATCAGCT	1044
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DB 301 AASPETHRALAVALALEUASNARGIUGIUAAPHELYSALATHGILLIELLEGLU 320
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DB 321 PROSERLYGINSAPLYSEPROLEULLEGILUSLEUALAGIULIETRYVALASNSER 340
QY 1225 TTCTACAAAGAGACAAAGCTGAATTTATCATCACTTTCGGGGGTGAGAAAGAGAG 1284
DB 341 PHELYRYLGLUTHRYGALAGIULUWHISGINSLEUSERGLYGLULYSELYS 360
QY 1285 ATCAGCTTTCAAGAGATTCAGCCACCTCTCTGTGCATCACTGAGTGGGT 1344
DB 361 ILETHVALPHELYSGILISEERYTHNTHRSERPHESGINSLEUARGITPVAL 380
QY 1345 TCCAGAGCTTCACTCAAAAATTGCTGGGTATCCCGAGGCTCTATAGCTCAGATCAT 1404
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QY 1465 ACTGGAATCCAGAACAGAGCTGGGTCTCTCTCTCTGACGACCAACAGGTTTCAGC 1524
DB 421 THNGIYLIEGLIASNARGIAGIYVALLEUPHEPHELEUTHTHASGLINYSSESER 440
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DB 441 SERVALSERALVALGILUENPHEVALIAGILUYSLSLEUPHELEHISGLUYRILE 460
QY 1585 AGCGATTAATACAGAGTGTATCTTATTCCTTGGAATACTGTATCTGATTATTAACC 1644
DB 461 SERGLYTRYTHRYGALSERSETRYRPHLEUGLYLYLEULENSERASPHEULEURO 480
QY 1645 ATGAGATGTTACCAAGATTAATATTACCTGTATAGTGTACTTCACTGATGATGAG 1704
DB 481 METTHMETLEUPROSERILEPHEPETHCYSLLEVALTRYPHECETLEUENGLY 500
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DB 521 SERSEMETHALAEUALIIEHAIAGIYGINSEVALVALSERVALAIATHRIEULEN 540
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DB 541 METTHILECYPSPHEVALPHEMETETILEPHESEGLYLEUENVALASNLEUTHR 560
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DB 561 ILEALASERTIPHEUSERTIPHEUGINTRYPHESERTIPROARGTRYGLYPHEPHEPHE 580
QY 1945 TTGCAGATTAAGATTTTGGAGCAAACTCTGCCAGAGACTCATGACCAAGAGAAC 2004
DB 581 LEGLNHISASNGLUPHEUGLYGINASNPHCYPROGLYUENASNATHRGILYASN 600
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DB 601 ASAPROCYASANTRYATHRYGTHNGIYGLUGIULYTRLEUVALYSGINGIYLEASP 620
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QY 2125 CTCACAAATGCTTACTGTAATTTGTTATTTCTTAAAAATATCT 2169
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RESULT 2
US-09-245-808-1
Sequence: 1, Application US/09245808
Patent No: 6313277
GENERAL INFORMATION:
APPLICANT: Doyle, L. Austin
APPLICANT: Abruzzo, Lynne V.
APPLICANT: Ross, Douglas D.
TITLE OF INVENTION: Breast Cancer Resistance Protein (BCRP) and DNA which
FILE REFERENCE: encodes it
CURRENT APPLICATION NUMBER: US/09/245,808
CURRENT FILING DATE: 1999-02-05
EARLIER APPLICATION NUMBER: 60/073763
EARLIER FILING DATE: 1998-02-05
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 655
TYPE: PRT
ORGANISM: Human MCF-7/AdrVp cells
US-09-245-808-1

Alignment Scores:
Pred. No.: 0
Score: 52.50
Percent Similarity: 36.72%
Best Local Similarity: 18.64%
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US-09-866-866A-9 (1-2719) x US-09-245-808-1 (1-655)

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QY 539 GGTGCTCATATTACAGAACATCTCCAGATATATCACTTGATCTTCTCTGAGGTAAG 480
DB 169 GLYUENASPLYSVAL-----ALASPSERLYSVALGLYTHRGINPHEILEARGLY 185
QY 479 ACATCTAATAAGAAAGTTTCCCTCCACTGTGGGTCAGAGATGGCGTTGACACAGGT 420
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QY 419 TTCAATG-----ATCCCA 408
DB 206 ILEUENPHELEUPGUPROTHRYGLYUENASPSERETHRALASNALVALLEU 225
QY 407 TTGATTTGCAATATATTTCTTCTCAACTGTTTCCAGAGGTAAGCAACTCTTC 348
DB 226 LEUENLEULYSARGMETSE-----LYSINGIYARGTHRIELLEPHE 240
QY 347 AGTTTACTGATAGAGATGTATGAAAATTAAACAGACTCTCTTCAATTAATGCTTTC 288
DB 241 SERILEHISGIN-----PROARGTRYSERILEPHE 250
QY 287 AGG-----TATTGGAACCTGTGCGGGAAGCATTTGGTGT-----CCTGT 243
DB 251 LYSLEUPHEAPSERLEUTHRIEULALASERGLYARGLEUWETPHEHISGLYPROALA 270
QY 242 GACACTGGGATTAAM-AACTTCGACATTAACGAGAAAGATCATGAGAGATTTC 193
DB 271 GINGIULAEUGIYTRYPHEGINSERIALAGIYTRYHISCYSGIUALATYR 287

Tue Mar 9 14:53:12 2004

Search completed: March 9, 2004, 14:52:43
Job time : 4 secs

compared

Page 3


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QY 321 ProSerLysGlnAspLysProLeuIleGluLysLeuAlaGluIleTyrValAsnSerSer 340
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QY 341 PheTyrLysGluThrLysAlaGluLeuHisGlnLeuSerGlyGluLysLysLys 360
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QY 481 MetArgMetLeuProSerIleIlePheThrCysIleValTyrPheMetLeuGlyLeuLys 500
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QY 521 SerSerMetAlaLeuAlaIleAlaGlnSerValIleSerValAlaThrLeuLeu 540
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QY 541 MetThrIleCysPheValPheMetMetIlePheSerGlyLeuLeuValAsnLeuThrThr 560
DB 1859 ATGACATCTGTTTGTGTATGATGATTTTTCAGGTCTGTGTATGATTAATTA 1918
QY 561 IleAlaSerTrpLeuSerTrpLeuGlnTyrPheSerIleProArgTyrGlyPheThrAla 580
DB 1919 ATTGATCTTGGCTGTCAGTGGCTTCAAGATTCACAGATTAATTAATTAATTA 1978
QY 581 LeuGlnHisAsnGluPheLeuGlyGlnAsnPheCysProGlyLeuAsnAlaThrGlyAsn 600
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QY 621 LeuSerProTrpGlyLeuTyrLysAsnHisValAlaLeuAlaCysMetIleValIlePhe 640
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QY 641 LeuThrIleAlaTyrLeuLysLeuPheLeuLysLysTyrSer 655
DB 2159 CTCACATGCGCTACCTGAATGTTATTTCTTAAATAATATTC 2203

RESULT 2
US-09-245-808-2/c
Sequence 2, Application US/09245808
Patent No. 6313277
GENERAL INFORMATION:
APPLICANT: Doyle, L. Austin
APPLICANT: Abduzzo, Lynne V.
APPLICANT: Ross, Douglas D.
TITLE OF INVENTION: Breast Cancer Resistance Protein (BCRP) and DNA which
FILE REFERENCE: Ross UMD conversion
CURRENT APPLICATION NUMBER: US/09/245, 808
CURRENT FILING DATE: 1999-02-05
EARLIER APPLICATION NUMBER: 60/073763
EARLIER FILING DATE: 1998-02-05
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 2418
TYPE: DNA
ORGANISM: Human MCF-7/AdrVp cells
US-09-245-808-2

Alignment Scores:
Pred. No.: 0 Length: 2418
Score: 52.50 Matches: 33
Percent Similarity: 36.72% Conserved: 32
Best Local Similarity: 18.64% Mismatches: 73
Query Match: 1.57% Indels: 40
Gaps: 6

US-09-866-866A-10 (1-655) x US-09-245-808-2 (1-2418)
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QY 149 AlaThrThrMetThrAsnHisGluLysAsnGluValGlnAsnArgValIleGluGluLeu 168
DB 633 CCATCCACACATCATTTGTATACCATCACTGAACTTGAATTTGCAAGTCC 574
QY 169 GlyLeuAspLysVal-----AlaAspSerLysValGlyThrGlnPheIleArgGly 185
DB 573 GGTGCTCATTTATACAGAACATCTCCAGATATCACTGAGATCTTCTTGACAGCTAG 514
QY 186 ValSerGlyGlyLysArgLysArgThrSerIleGlyMetGluLeuIleThrAspProSer 205
DB 513 ACATCTAATACCAAGATTTGCTCCACCTGGGCTCCAGAGATGCGCTTGAGACCAAGT 454
QY 206 IleLeuSerLeuAspGluProThrThrGlnLysAspSerSerThrAlaAsnAlaValLeu 225
DB 453 TTCATG-----ATCCCA 442
QY 226 LeuLeuLeuLysArgMetSer-----LysGlnGlyArgThrIleIlePhe 240
DB 441 TTGATATCATTAATATTTCTTCTCACTGCTTTTGACAAAGGTAGAAAGCAGCTTTC 382
QY 241 SerIleHisGln-----ProArgTyrSerIlePhe 250
DB 381 AGTTTACTGATAGACAGATGTATGAAAATTAAACAGAGCTCTTCAGTAAATGCTTTC 322
QY 251 LysLeuPheAspSerLeuThrLeuLeuAlaSerGlyArgLeuMetPheHisGlyProAla 270
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QY 271 GlnGluAlaLeuGlyTyrPheGlnSerAlaGlyTyrHisCysGlnAlaTyr 287
DB 276 GACACTGGGATTA--AACTTCGACATTACTGGAAGACATCTGAGAGATTT 227

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Search completed: March 9, 2004, 14:51:14
Job time : 5 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 9, 2004, 14:47:57 ; Search time 1 Seconds
(without alignments)

0.429 Million cell updates/sec

Title: US-09-865-865A-10

Perfect score: 3350

Sequence: 1 MSSSNVEVFIPIVSGQNTNGF.....MIVFLTIAYLKLFLKXYS 655

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1 seqs, 655 residues

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: 6313277.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	length	DB ID	Description
1	3331	99.4	655	1	US-09-245-808-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-245-808-1
Sequence 1, Application US/09245808

Patent No. 6313277

GENERAL INFORMATION:

APPLICANT: Doyle, L. Austin

APPLICANT: Abruzzo, Lynne V.

APPLICANT: Ross, Douglas D.

TITLE OF INVENTION: Breast Cancer Resistance Protein (BCRP) and DNA which

FILE REFERENCE: Ross UMD conversion

CURRENT APPLICATION NUMBER: US/09/245,808

CURRENT FILING DATE: 1999-02-05

EARLIER APPLICATION NUMBER: 60/073763

EARLIER FILING DATE: 1998-02-05

NUMBER OF SEQ ID NOS: 7

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1

LENGTH: 655

TYPE: PRT

ORGANISM: Human MCF-7/AdrVp cells

Query Match 99.4%; Score 3331; DB 1; Length 655;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 651; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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Db	361	ITVFEKISYTTSPFCHQLRWYSKRSFKNLGNPQASINQIIVTVVLGLVIGAIYFGLKND	420
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Db	421	TGIONRAGVLEFLITNOCFSSVSASVELFVEKKLFIEHYISGYRVSSYFLGKLSDLPL	480
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Db	481	MRMLPSIIFTCIVFVFMGLKPKADAFVMMFTLMVAVYSSSMALAAAGQSVSVATLL	540
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Db	601	NPCNVATCTGEEYLVKQIDLSFWGLMKHVALACMIVFLTIAYLKLFLKXYS	655

Search completed: March 9, 2004, 14:47:58
Job time: 1 secs


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QY 1261 TCCGGGGGTGAGAGAGAGAGATCAAGCTTCAAGAGATCAAGCACTCTCC 1320
DB 1295 TCCGGGGGTGAGAGAGAGAGATCAAGCTTCAAGAGATCAAGCACTCTCC 1354
QY 1321 TTCTGTCAATCAATCAGATGGGTTTCCAGAGCTTCAATCAAACTTGTGGTAAATCCC 1380
DB 1355 TTCTGTCAATCAATCAGATGGGTTTCCAGAGCTTCAATCAAACTTGTGGTAAATCCC 1414
QY 1381 CAGGCTCTATAGCTCAATCATTTGTCAAGTCTGACTGGAGCTGTATAGTCCATT 1440
DB 1415 CAGGCTCTATAGCTCAATCATTTGTCAAGTCTGACTGGAGCTGTATAGTCCATT 1474
QY 1441 TACTTGGGCTAAAAATGATTTCTACTGGAATCCAGAACAGAGCTGGGGTCTCTCTCTC 1500
DB 1475 TACTTGGGCTAAAAATGATTTCTACTGGAATCCAGAACAGAGCTGGGGTCTCTCTCTC 1554
QY 1501 CTGAGACCAACCAAGTCTTTCAGAGTCTTTCAGAGCTTTCAGAGCTTTCAGAGAG 1560
DB 1535 CTGAGACCAACCAAGTCTTTCAGAGTCTTTCAGAGCTTTCAGAGCTTTCAGAGAG 1594
QY 1561 AAGCTCTTCAATCAATGATGATCAATGACCGGATCTCAAGAGTCTATCTTCTTCTGGA 1620
DB 1595 AAGCTCTTCAATCAATGATGATCAATGACCGGATCTCAAGAGTCTATCTTCTTCTGGA 1654
QY 1621 AAACGTATATGATTTATTTACCAATGACAGATGTTACCAAGATTTATTTTACCTGATA 1680
DB 1655 AAACGTATATGATTTATTTACCAATGACAGATGTTACCAAGATTTATTTTACCTGATA 1724
QY 1681 GTGTCTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1740
DB 1715 GTGTCTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1774
QY 1741 CTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1800
DB 1775 CTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1834
QY 1801 GTGTCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1860
DB 1835 GTGTCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1894
QY 1861 GGTCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920
DB 1895 GGTCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1954
QY 1921 ATTCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1980
DB 1955 ATTCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2014
QY 1981 CAGAGATCAATGACAGAGAAACAATCTTGTAACTATGCAACATGATGATGATGATGAT 2040
DB 2015 CAGAGATCAATGACAGAGAAACAATCTTGTAACTATGCAACATGATGATGATGATGAT 2074
QY 2041 TATTTGGTAAAGAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 2100
DB 2075 TATTTGGTAAAGAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 2134
QY 2101 TTGGCTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2160
DB 2135 TTGGCTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2194
QY 2161 AAATATTTCTAAATTTCCCTTAATTCAGATGATGATGATGATGATGATGATGATGATGAT 2220

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DB 2195 AAATATTTCTAAATTTCCCTTAATTCAGATGATGATGATGATGATGATGATGATGATGAT 2254
QY 2221 TTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2280
DB 2255 TTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2314
QY 2281 TTGACAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2340
DB 2315 TTGACAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2374
QY 2341 AACATGAGAGAGAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 2372
DB 2375 AACATGAGAGAGAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 2406

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RESULT 2
US-09-245-808-2/c
; Sequence: 2, Application US/09245808
; Patent No. 6313277
; GENERAL INFORMATION:
; APPLICANT: Doyle, L. Austin
; APPLICANT: Abnuzzo, Lynne V.
; APPLICANT: Ross, Douglas D.
; TITLE OF INVENTION: Breast Cancer Resistance Protein (BCRP) and DNA which
; FILE OF INVENTION: encodes it
; FILE REFERENCE: Ross US/09/245, 808
; CURRENT APPLICATION NUMBER: US/09/245, 808
; EARLIER FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: 60/073763
; EARLIER FILING DATE: 1998-02-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 2
; LENGTH: 2418
; - TYPE: DNA
; ORGANISM: Human MCF-7/AdrVP cells
US-09-245-808-2

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Query Match 1.1%; Score 30.4; DB 1; Length 2418;
Best Local Similarity 47.8%; Pred. No. 0;
Matches 88; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

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QY 923 TTCTCAATCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 982
DB 1140 TTCTCAATCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1081
QY 983 CCTCAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1042
DB 1080 CCTCAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1021
QY 1043 CTGATATCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1102
DB 1020 GAGGCCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 961
QY 1103 GAGA 1106
DB 960 GAGA 957

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Search completed: March 9, 2004, 14:49:41
Job time: 4 secs